Agenda Item: 15

Source: Nokia

Title: **Clarification on RNSAP procedures Load Information, Measurement
                     Reporting and DL Power Control**

Document for: Approval

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1   Introduction

This contribution proposes some clarification about the RNSAP procedures Load Information, Measurement
Reporting and DL Power Control.

2   Proposals

2.1   Load Indication procedure.

Load Indication procedure is used by one RNC (RNC1) to inform another RNC (RNC2) about the load
status of one or more cells. The procedure is not related to any particular DCH or RL, thus the term *SRNC*
and *DRNC* cannot be used. Furthermore the procedure description shall not include any (partial) list of
actions that the RNC receiving the load indication may do, because are out of the scope of the protocol
specification.

- It is the proposed to replace the text in 8.2.8 with the following:

    With this procedure RNC1 informs RNC2 about the load in one or more cells under its control.

    *When the load information reporting criteria are met, RNC1 sends to RNC2 the RNSAP LOAD
    INFORMATION message using the connectionless service of the signalling bearer containing
    information about the load in one or more cell.*

    *The load information reporting criteria may be defined via O&M or using the Load Information Request
    procedure.*

- It is proposed that a new procedure *Load Information Request* is added in 8.2, with the following text:

    *The Load Information Request procedure is used by RNC1 to set in RNC2 the reporting criteria used by
    the load information procedure towards RNC1. The procedure consists in the message LOAD
    INFORMATION REQUEST sent by RNC1 to RNC2 using the connectionless service of the signalling
    bearer.*

2.2   Measurement Reporting Procedure

- The following text shall be added in the procedure description in 8.2.9 of [25.423]:

When the measurement reporting criteria are met, the DRNC send the RNSAP MEASUREMENT REPORT message to the SRNC using the dedicated signalling bearer connection. Message includes the required radio interface measurement.

The reporting criteria are set with the RL Setup, RL Addition and RL Reconfiguration procedures.

- The note in 8.2.9 shall be removed.

2.3   DL Power Control

The DL power control procedure is used for balancing the DL transmitted power among the Radio Links of one UE-UTRAN connection in soft handover. Thus the parameter contained in the message is a DL reference power calculated by the SRNC, and not the power range that is defined by Admission Control in DRNS. It is proposed that the term *power range* in the last line of 8.2.10 is changed into *DL Reference Power*.

3   References

[25.423]   *RNSAP Protocol Specification, v. 1.0.2* (Editor)